

Published website link: <https://themoonbakery.000webhostapp.com/>

## **Introduction, an overview of the project and rationale behind the creation of the website and the requirements.**

In this project, I created a website in the category of e-commerce using HTML, CSS, and JavaScript. The name of this website is The Moon Bakery. The Moon Bakery is a bakery that sells pastries and cakes, while the aim of creating this website is to expand the marketplace of the bakery so that the sales will be maintained and even improved especially during this Covid-19 pandemic where everyone switch from in-store purchasing to online purchasing to avoid too much of contacts. Apart from that, it also promotes the products of the bakery and allows more exposure of the products to society for marketing purposes. This website requires to allow customers to view and know more about the bakery like the latest products, the story behind it, store locations, contact methods, all products, and the price. It also allows customers to shop online. Customers can sign in or sign up for their account with their email address and add a number of certain products they are interested in to their cart and also search for the product they are interested in, but it is still a dummy function for now.

By referring to figure 1, on the main page of the website there will be some interesting videos about pastries or baking and advertisement for seasonal products like Hari Raya's special collection of cakes and pastries, Mother's Day special collection of cakes and also customer's all-time favourite pastries under the "What's Trending" h1 heading. In addition, on the home and product pages, I've implemented a dummy search bar for users to quickly search for the product they want. To check out the product or special occasions, customers can simply click on the title or picture to access the respective product page for more information. By referring to figures 1 and 2, on every page, there will be a header which includes the navigation bar, and also a footer that comes with links that can bring customers to the bakery content pages including the pricing table of the product, all products page and also customers' profile which should be consistent on each page. There are also two dummy icons to navigate customers to the social media page of the bakery in the footer. While on the bottom of the footer, there should be a copyright message which will appear on every page of the website.



Figure 1: Main page which includes the header

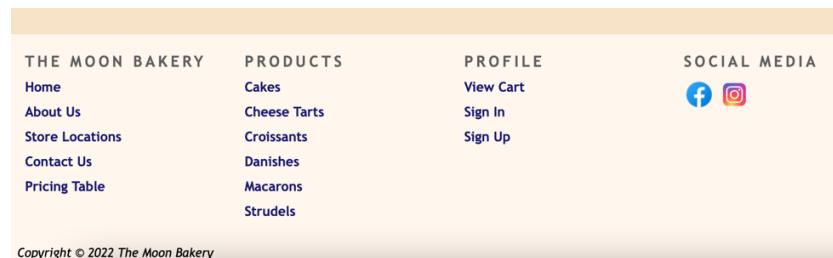


Figure 2: Footer on every page

Next, on the product page, customers will be able to see what's new at The Moon Bakery and the occasions shown in figure 3. They can even shop for cakes, macarons, strudels and cheese tarts, as shown in figure 4. By clicking the image or the title of the product, they will be directed to the details of the product. For example, by referring to figure 5, each product that has different flavours will have a list showing the flavours included and the name of the flavour. They can easily choose the flavour and quantity and then add it to the cart (dummy button). After that, the size, weight, ingredients and also the care guide of the product will be shown. While for the occasions, they will be directed to a more detailed page which shows what products are introduced for the respective occasion. For example, referring to figures 6 & 7, after clicking the Hari Raya special collection, customers can see an ad with our best wishes and the types of special combo we have and they can even check the products included in the combo like the Hari Raya Cake Box, it includes 4 different types of cakes and each has its details for customers to view by clicking the name of the cake, shown by figure 8.



Figure 3: Product page



Figure 4: Shop by section

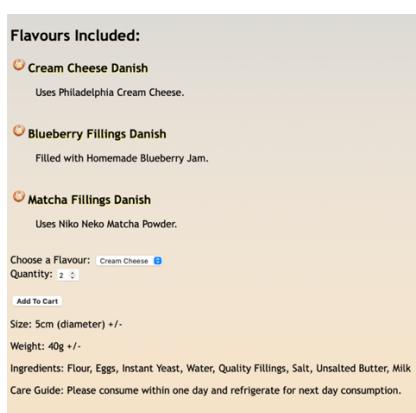


Figure 5: Product details

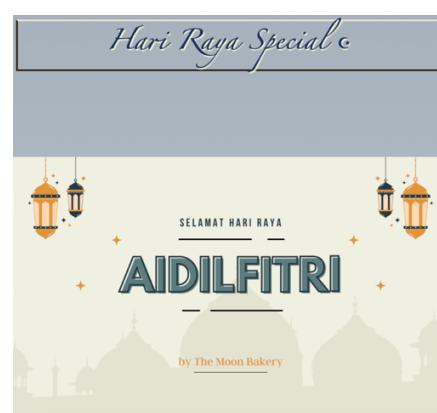


Figure 6: Occasion wishes



Figure 7: Products for occasions

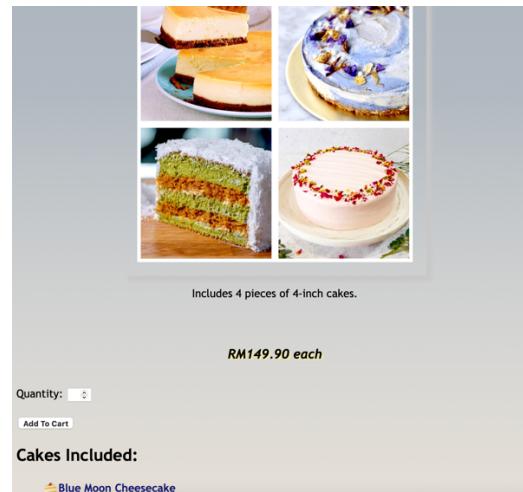


Figure 8: Cake box details

In addition, customers can check the bakery's details by clicking the name of the page they wish to visit on the navigation bar like about us, store locations, contact and view cart / sign up pages shown in figure 9. At the same time, when customers hover their cursor on the "Shop By" tab, there will be a list of products for them to click and view, as shown in figure 10.

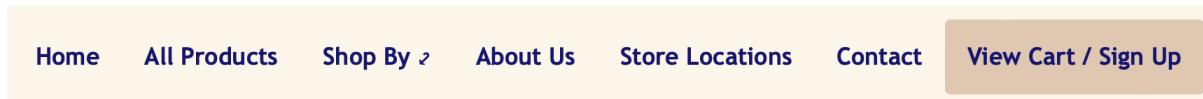


Figure 9: Navigation Bar



Figure 10: Product list when customers hover on "Shop By"

Next, on the about us page, there will be a video of an advertisement about The Moon Bakery which is shown in figure 11. There will also be a story about the bakery under the video for customers to know more about the bakery.

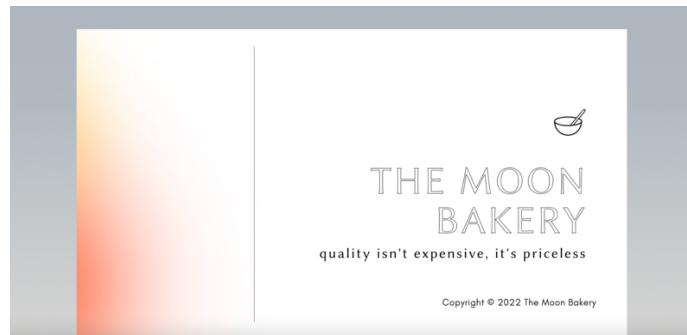


Figure 11: Video advertisement

Furthermore, customers can easily locate us by visiting the Store Locations page which includes the address of the branches, shown in figure 12. On the other hand, when customers have any enquiries, they can simply enter their details and message under the contact page or even contact us directly via the contact method we provided for further assistance, shown in figure 13.

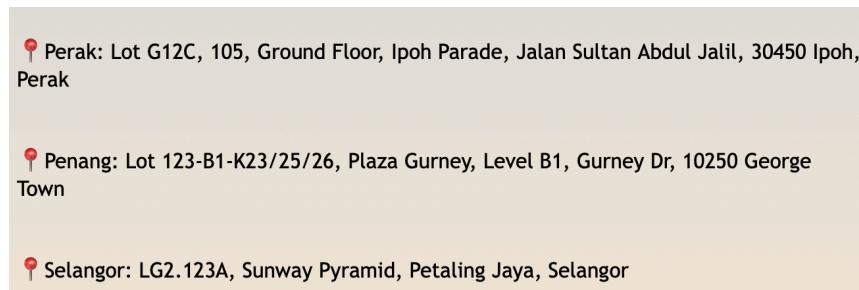


Figure 12: Branch address

Please enter your details below for further assistance:

Or contact us via:

E-mail: [contact@themoonbakery.com](mailto:contact@themoonbakery.com)

Phone Call: 03-1234 5678

WhatsApp: 012-345 6789

Figure 13: Contact Page

Lastly, by referring to figures 14 and 15, on the cart page, customers will be able to see the products they added to the cart before they check out (dummy function). Customers will also

be prompted to sign up as a member or sign in by entering their details in the pop-out box after clicking the “Sign Up!” or “Sign In” button.



Figure 14: Cart Page

A modal window for sign-up. It features a user icon at the top right with a close button. The form includes fields for Email Address, Password, and Repeat Password. A "Sign Up" button is centered below the fields. A checkbox for accepting terms and conditions is present, followed by a "Cancel" button at the bottom left.

Figure 15: Sign-up form

## Changes to the initial design in the first part of the web project. Explanation and justification of the changes.

In this final assignment, I made quite a lot of changes to my website; I added a background colour to the website and also changed the navigation bar. I modified the navigation bar with attractive colour and font with a dark blue font colour to get users' attention so that they are aware of it, as shown in figure 17. At the same time, I've changed the logo to a horizontal pattern to fit better with the new navigation bar, so that the navigation bar will not look empty and boring when it extends to a higher height if I use back the previous logo, the comparison is shown in Figures 16 & 17. Next, I've implemented a new footer on every page of the website which includes links that can access different pages and also the pricing table to make the website more convenient, as shown in figure 2.

Besides that, I replaced the point-form view of the home page and product page with large, framed, shadowed images. The comparison is shown in Figures 16 & 17. This is to let the user have a better preview of the product they are looking at before clicking on it. At the same time, I've changed the text in the "View Cart" button to "View Cart / Sign Up" so that the customers will know where the page is to sign in or sign up as I put the view cart and sign in function in the same page, the comparison is shown in Figure 16 & 17.

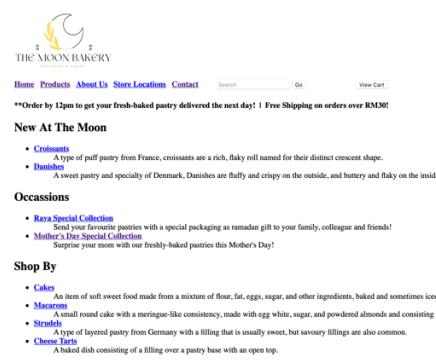


Figure 16: Before Modifying

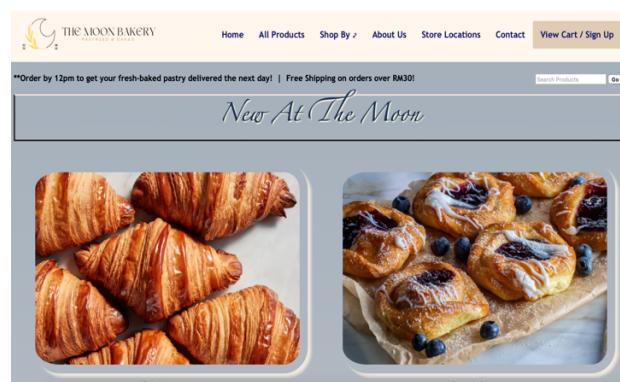


Figure 17: After Modifying

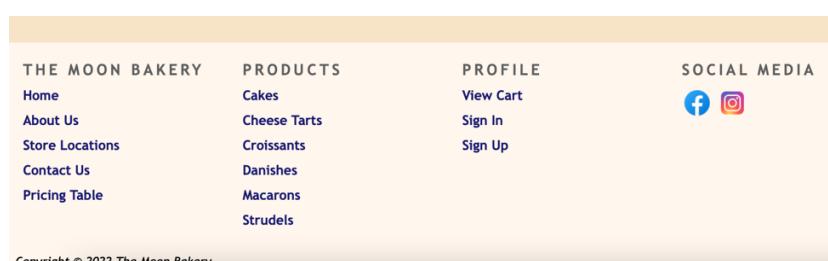


Figure 2: Footer on every page

Apart from that, I've moved the product description that was previously put under the product name (refer to Figure 18) to the individual product page (refer to Figure 20) to prevent confusion. Because it might be too messy for putting the description and name of every product on the same page. Then, I also changed the position of the images on the individual product page from the left-hand side to the centre for a more comfortable look. The comparison is shown in Figures 19 & 20.

**Shop By**

- **Cakes**  
An item of soft sweet food made from a mixture of flour, fat, eggs, sugar, and other ingredients, baked and sometimes iced or decorated.
- **Macarons**  
A small round cake with a meringue-like consistency, made with egg white, sugar, and powdered almonds and consisting of two halves sandwiching a creamy filling.
- **Strudels**  
A type of layered pastry from Germany with a filling that is usually sweet, but savoury fillings are also common.
- **Cheese Tarts**  
A baked dish consisting of a filling over a pastry base with an open top.



Figure 18: Before Modifying

Figure 20: After Modifying

**Strudels**

RM30.00 each

Flavours Included:

Figure 19: Previous position of the product image

In addition, I've changed the style of the unordered list on the website and replaced it with images and emotion icons for a more interesting preview of options, comparison shown in figures 21 & 22. At the same time, for each different option, there will be a yellow colour shadow so that it is more significant for users to differentiate the different options.

- **Cream Cheese Danish**  
Uses Philadelphia Cream Cheese.
- **Blueberry Fillings Danish**  
Filled with Homemade Blueberry Jam.

**Cream Cheese Danish**  
Uses Philadelphia Cream Cheese.

**Blueberry Fillings Danish**  
Filled with Homemade Blueberry Jam.

Figure 21: Before Modifying

Figure 22: After Modifying

As you can see, for the background colour of my website, I chose the colour that shows the colour of the sky from dusk to dawn, as shown in Figure 23. This colour contains the meaning of a new day, a new start and the moon will always be there accompanying, protecting the Earth even if we can't see it during the daytime. The Moon Bakery will act as the moon accompanying customers, the Earth in their daily lives.

To insert this background colour, I used Inkscape to adjust the colour I wanted then implied it in my website using the background-image command in every CSS file and linking it to HTML files for every page to ensure the background colour is consistent throughout the website.



Figure 23: Website Background Colour

While for the font, I used the font family of Trebuchet MS, Helvetica and sans-serif for the body part, fantasy for h1 and Gill Sans, Gill Sans MT, Calibri, ‘Trebuchet MS’, sans-serif for h2 for the elegant but down to earth image of the brand.

At the same time, I also added a light-yellow colour shadow to the h1 font to match the moon theme and a 3px of solid border with two different colours around it to present a 3D and pop-out vision of the title of the page for a more surprising view, comparison shown by figure 24 & 25.

# What's Trending?

Figure 24: H1 Design before modifying



Figure 25: H1 Design after modifying

On the other hand, for the navigation bar, I moved it to the top of the website for easier access and there are links to the home, all products, about us, store locations, contact and cart/sign up page, comparison shown by figure 26 & 27. I've also embedded links on the logo and most of the product images so that it will be more convenient for users to access the respective page by clicking on the image. One special thing is that when the user hovers the cursor on the link-embedded button, different colours of text and shadows will be shown to let the user know the button can be clicked (refer to Figure 28).

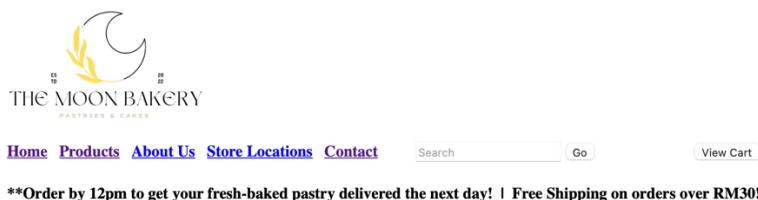


Figure 26: Navigation Bar before modifying



Figure 27: Navigation Bar after modifying



Figure 28: Hover Selector

Furthermore, the “View Cart / Sign Up” button was designed differently from other buttons in the navigation bar by changing its background colour and border radius so that users can easily spot it and check what they had added to the cart, as shown in figure 27.

Lastly, by referring to figure 29, I’ve also implemented the options label attribute and quantity form followed by an “add to cart” button under the preview of flavours on the product page so that it is more convenient for users to choose flavours and add them to the cart.



Figure 29: Flavour Choosing

Moreover, I added new multimedia objects and a table to the website after I did some self-research. The multimedia objects I’ve added are HTML YouTube autoplay on the main page which is about the fun facts of pastries and HTML Video (MP4) autoplay on the Hari Raya, Mother’s Day and about us page, shown in figure 30, 31, 32, 33. These videos are set to be auto-play when customers directed to the page.

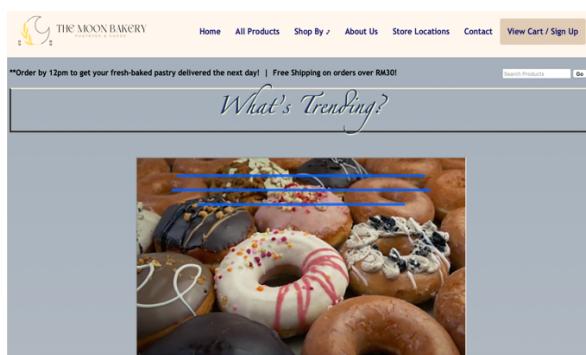


Figure 30: YouTube video on main page



Figure 31: Hari Raya video



Figure 32: Mother's Day video

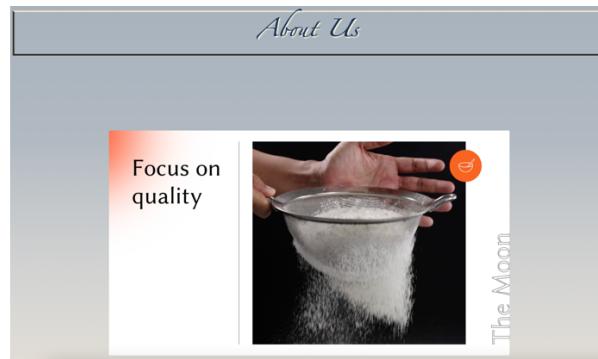


Figure 33: Bakery advertisement

The Hari Raya and Mother's Day advertisements shown in Figures 31, and 32 are made by me with animations and also implemented with voice and music to enhance our relationship with customers and also advertise the latest occasions series of products. While the bakery advertisement shown in figure 33 is inserted on the about us page to advertise the bakery.

Besides, I also created a page which includes a table named pricing table. Customers can easily access it by clicking “Pricing Table” under the footer of every page. This pricing table contains all the types and prices of our product so that it will be easy for customers who know what they want to directly check the price, instead of searching all around the website, as shown in figure 34.

Product Pricing Table		
Menu		
Category	Type	Price (RM)
Cakes	Moon Cheesecake	48.00
	Blue Moon Cheesecake	52.00
	Blood Moon Cheesecake	52.00
	Full Moon Cheesecake	68.00
	Green Onde Cake	55.00
	Rochee Cake	50.00
Croissants	Roses Are Red Cake	50.00
	Almond Croissants	
	Chocolate Fillings Croissants	4.50
	Matcha Fillings Croissants	

Figure 34: Product Pricing Table

In addition, under the view cart page, I changed the previous interface (figure 35) that will prompt the user to sign up to view their cart, so that customers will be allowed to add products to the cart as a guest. I also moved the previous sign-up and sign-in form in the view cart page into the pop-out box with two separate buttons to simplify the page, as shown in figure 36.

## Not a member yet? Join Us Today!

Sign up as a member to save your favourite pastries into shopping cart:

Username		
Phone Number	E-mail	
Password	Confirm Your Password	Sign Up

Or Sign In:

Username	Password	Sign In
----------	----------	---------

Figure 35: Previous view cart page

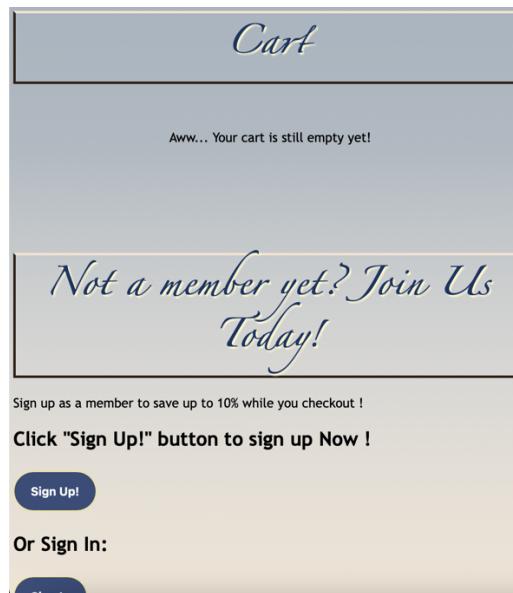


Figure 36: New view cart page

After customers clicked the sign-up or sign-in button, a pop-out box will pop out to prompt customers to fill in their details to sign up or sign in. There is a dummy check box included in both pop out box which one indicates customers agree to our terms and service while signing up, while the sign-in pop-out box helps customers who want to keep logged in to this website so that they won't have to re-enter the details next time they visit this website.

At the same time, I also included close, and cancel buttons and two dummy links in both pop out box where customers can close the box when they don't want to sign up or sign in, while the dummy links will direct the customer to the terms and service page and reset password page if it is functioning. The check box on the sign-in page will be automatically checked as it is suggested to do so to prevent customers forgot their passwords. Besides, I have added an email checking function to make sure the customers fill the email address field with their email instead of some random text. Shown in figure 37 & 38 & 39. Figure 39 shows an error alert box that will appear when the customers filled in a non-email format detail in the email box. At the same time, a sign-up successful alert box will also pop out when the user entered the correct format of email.

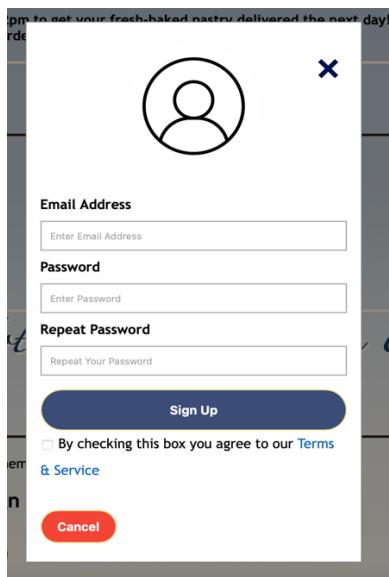


Figure 37: Sign-up box

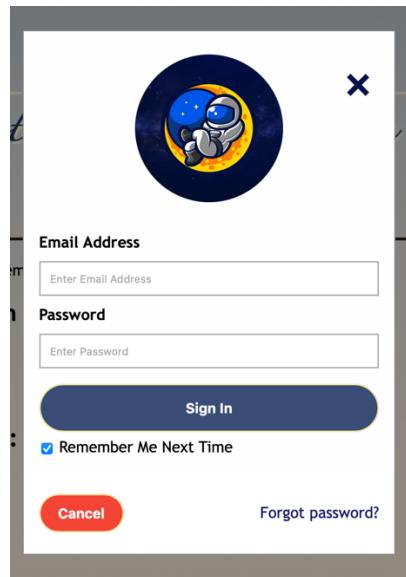


Figure 38: Sign-in box

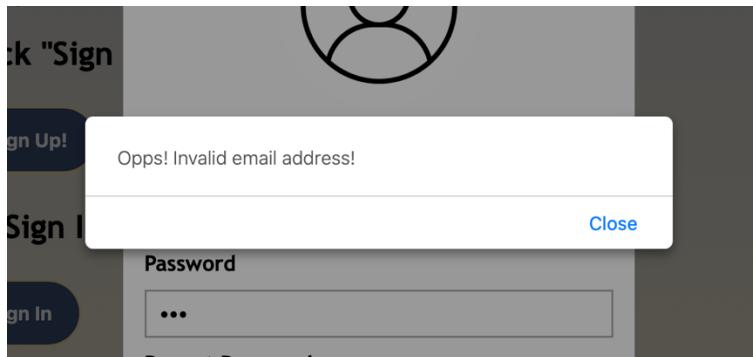


Figure 39: Wrong email format alert box

Furthermore, on the contact page, I made changes by moving the prompt message, text box, submit button and also the contact method to the centre of the page for a more comfortable appearance, comparison shown in figures 40 and 41. At the same time, there will also be a phone number and email format checking to ensure customers who are submitting the enquires are not spamming or giving a wrong detail so that we can get back to them easily, as shown in Figures 42 and 43.

### **Need Help? No worries! Feel free to contact us anytime!**

Please enter your details below for further assistance:

Name	Phone Number	E-mail	Submit
------	--------------	--------	--------

Or contact us via:

- E-mail: contact@themoonbakery.com
- Phone Call: 03-1234 5678
- WhatsApp: 012-345 6789

Figure 40: Previous contact page

*Need Help? Contact us now!*

Please enter your details below for further assistance:

Name

Phone Number

E-mail

Message

**Submit**

Or contact us via:

E-mail: [contact@themoonbakery.com](mailto:contact@themoonbakery.com)

Figure 41: New contact page

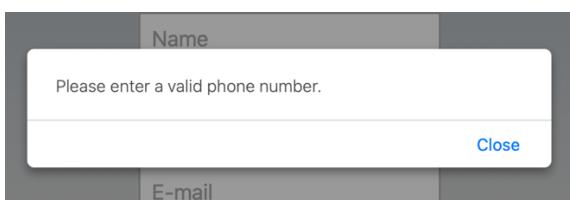


Figure 42: Wrong phone no. format alert box

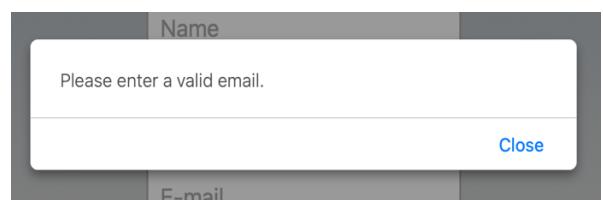


Figure 43: Wrong email format alert box

Last but not least, to enhance the website appearance, I changed the look of the navigation bar when customers resize their browser size so that it will look nicer when the browser size is resized to a smaller size. The comparison is shown in figures 44 & 45. At the same time, I also implemented a new tab in the navigation bar named “Shop By” for easier access to our product as customers only needs to hover their cursor to the “Shop By” tab, then a list of products will drop down like a drop-down list for them to visit, shown in figure 46.



Figure 44: Previous resized navigation bar

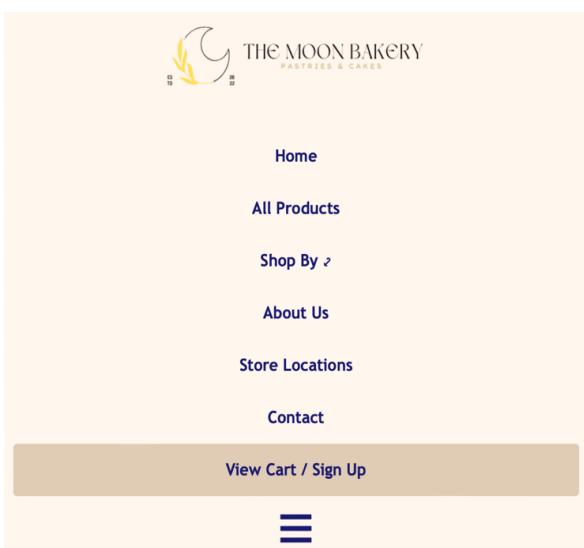


Figure 45: New resized navigation bar



Figure 46: Shop By drop-down list

### Implementation details of the website and justification of the approaches.

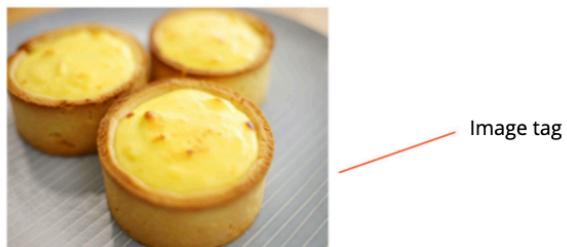
In this assignment, I implemented HTML, CSS, and JavaScript to my website to enhance and beautify the function and appearance. First of all, the storyboard of my website started with gathering information, sketching the website interface, implementing HTML and product details, testing, enhancing, then adding CSS to beautify the appearance using external style sheets and finally Java Script for extra beneficial functions.



Figure 47: HTML Implementation

The first part of the website started with HTML implementation. By referring to figure 47, I implemented an image and anchor tag on the logo, so that customers can easily access the home page by just clicking the logo. While for the navigation bar, I used an anchor tag with phrase elements in bold text to link other pages. For the search bar, I used an input tag so that customers can input the product they want to search on the search bar or their details on the contact and also the sign in, sign-up section. At the same time, I used a button tag with an anchor tag on the view cart button to access the view cart page. Then I used the heading element for the title to attract the attention of the customers. Besides, for the title of the products and occasions, I implemented a phrase element with an anchor tag and also an unarticulated annotation for access to the particular page. While the image for the respective products or occasions, I used an image tag with an anchor tag so that customers can access the page by just clicking on the image.

## Cheese Tarts



**RM4.00 each**

### Flavours Included:

- **Moon** Original Cheese Tart with Mild Lemon Taste.
- **Full Moon** Musang King Durian Cheese Tart.
- **Blue Moon** Blue Butterfly Pea Cheese Tart.
- **Pandan** Pandan Flavoured Cheese Tart.

Option label attribute

Choose a Flavour:  Blue Moon

Quantity:

Number input

Size: 2.5-inch +/- each

Weight: 70g +/- each

Ingredients: Flour, Eggs, Sugar, Lemon, Philadelphia Cream Cheese, Golden Churn Unsalted Butter, Musang King Durian Pulp, Pandan Leaves, Butterfly Pea Flower

Care Guide: Please consume the tarts in 4 hours without refrigeration, consume within 48 hours if kept refrigerated, consume within 4 days if kept frozen.

Copyright Special Character + with phrase  
element Unarticulated Annotation

Copyright © 2022 The Moon Bakery

Figure 48: HTML Implementation

Furthermore, by referring to figure 48, on the product page, I used an image tag to insert the image of products for better visualisation to customers. I also used an option label attribute and number input to let customers choose the flavour and quantity of product they would like to add to the cart. At the same time, I implemented a copyright special character, phrase with element unarticulated annotation for the copyright message on the bottom of every page. By referring to figure 49, I had implanted unordered list elements for pages like store locations and also products that have different flavours to show them in a list.

### Locate Us!

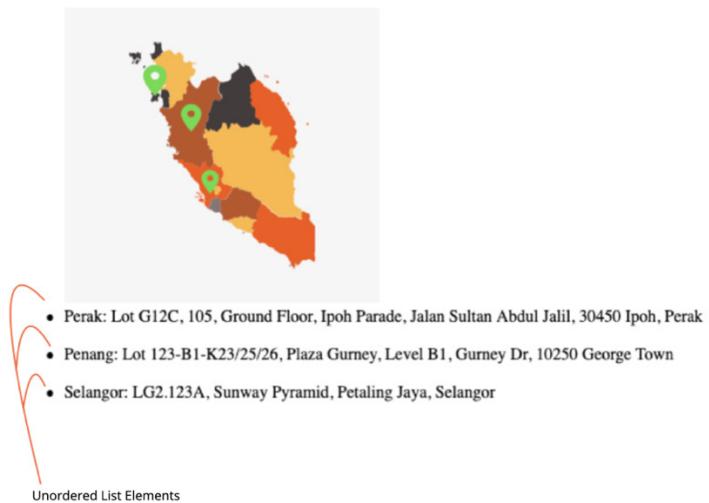


Figure 49: HTML Implementation

Lastly, I also used the iframe and video element for the multimedia objects which are HTML YouTube autoplay on the main page and HTML Video (MP4) autoplay on the Hari Raya, Mother's Day and About Us page as figure 30, 31, 32, 33 shown.

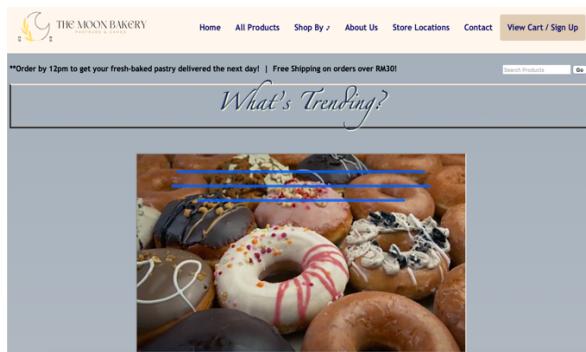


Figure 30: YouTube video on main page

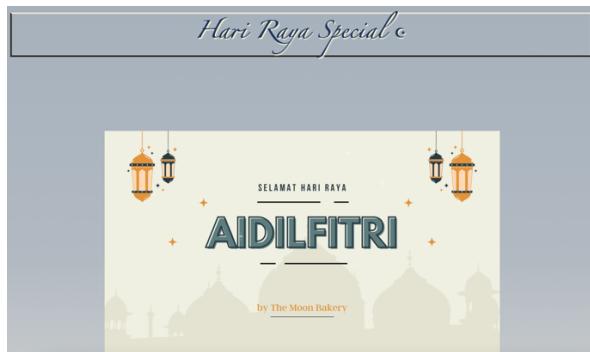


Figure 31: Hari Raya video



Figure 32: Mother's Day video

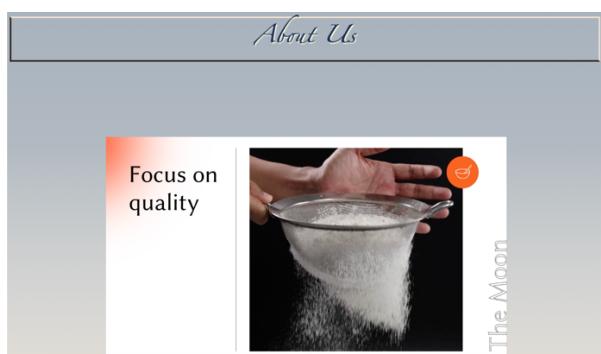


Figure 33: Bakery advertisement

Next, for the CSS part, I created 10 external style sheets and link them to respective HTML files using the link rel attribute to apply colours and patterns on the website after researching how to use the CSS properties. CSS properties like background-image, background-repeat, background-size, color, font-family, font colour, and margin are applied to change the background of the website and make sure the image I used for the background covers the entire

page with the same pattern. Then, I set all the h1 headings as figure 50 shown by using line-height, font-family to set the font type, text-align to set the heading to centre, text-shadow, border to create different colours of the border, and padding. Besides, I also applied properties like overflow, z-index, min-width, position, float, flex-direction, clear, letter-spacing, align-items, and justify-content to beautify my website. An important property I've inserted is the display block property. This property will be activated when customers hover their cursor on the “Shop By” button to show the drop-down list of products as figure 46 shows.

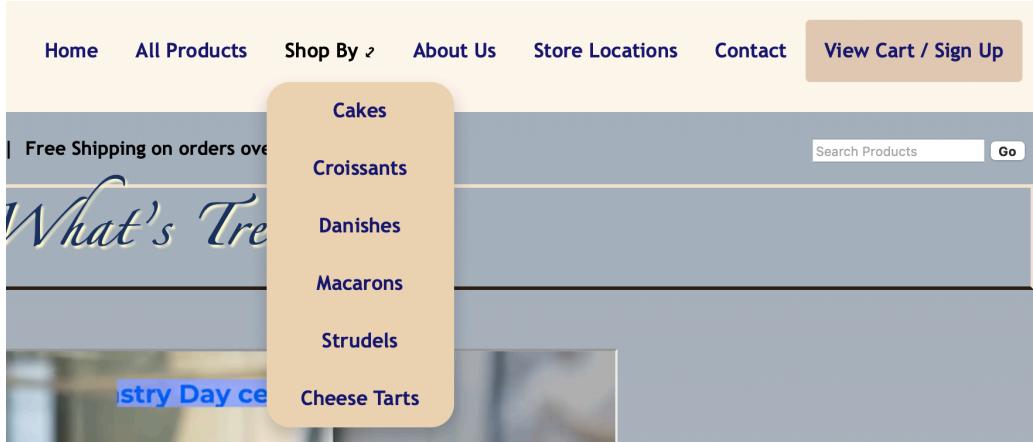


Figure 46: Shop By drop-down list

Another important CSS property I used is the @media property which will change the pattern of the class selected on the website when the size of the browser is changed. By comparing Figures 50 and 52, when the size of the browser is changed to a width of 1190px or less, the navigation bar will change the way it presents on the website.

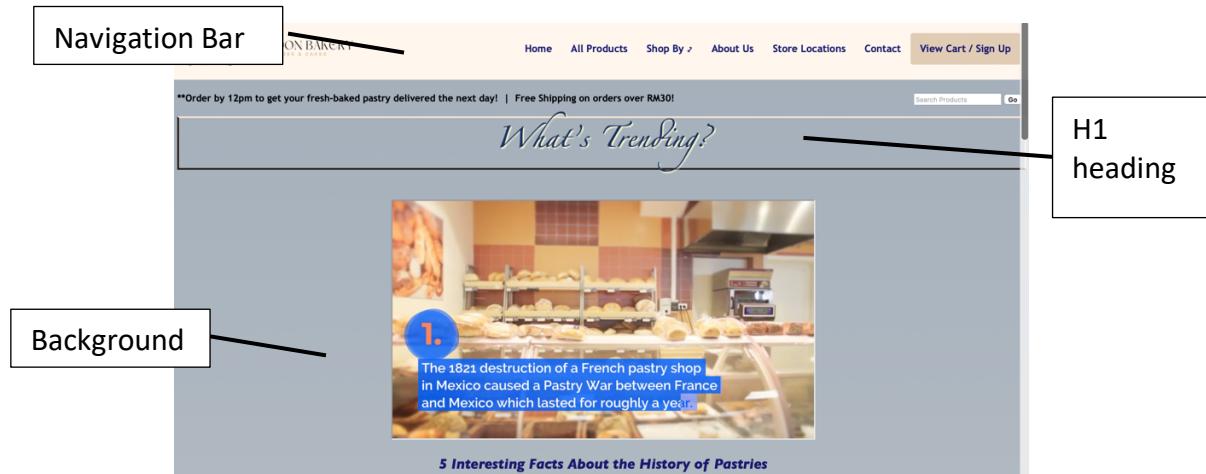


Figure 50: Main page



Figure 52: Navigation Bar after resizing the browser

On the other hand, I implemented four Java functions in this assignment, which are used on the navigation bar, phone number and email format checking and also closing sign up pop box when customers click somewhere outside the box. Firstly, for the navigation bar, I implemented the function shown in figure 51. This function is implemented in every HTML file as it is part

of the navigation bar function. This function is connected to the icon on the resized navigation bar shown in figure 52 by using the onclick command. So, when the customers click on the icon, this function will be executed, and it will start with the getElementById command in the javascript and check if the class name of the id “navid” is “navbar” or not. If yes, it will add the class named responsive and this will make the navigation bar display vertically as figure 53 shows due to the formatting set in CSS shown in figure 54. When customers click again on the icon of the resized navigation, the else command in the JavaScript will be executed by removing the responsive named class, and this will close the vertical navigation bar leaving the icon as figure 52 shown. This function can simplify the page when it is minimised so that the website doesn’t look messy, and customers can access the navigation bar when they need it and close it when they don’t need it.

```
<script>
  function myFunction() {
    var b = document.getElementById("navid");
    if (b.className === "navbar") {
      b.className += " responsive";
    } else {
      b.className = "navbar";
    }
  }
</script>
```

Figure 51: Java function 1



Figure 52: Navigation Bar

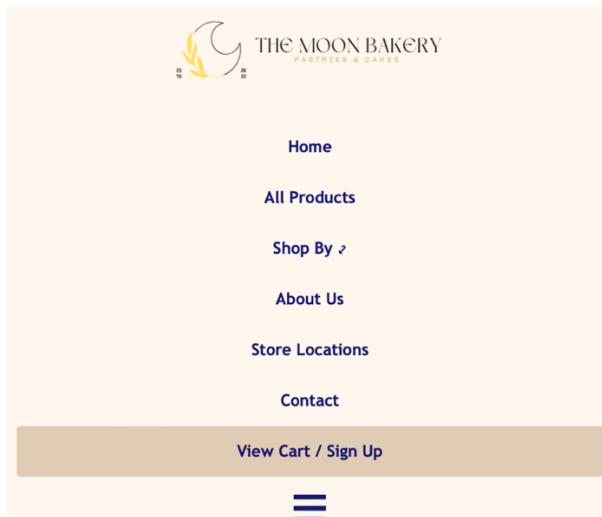


Figure 53: Vertically displayed navigation bar

```
@media screen and (max-width: 1190px) {
  .navbar.responsive {position: relative; padding-bottom: 10px;}
  .navbar.responsive .ddicon {
    position: sticky;
    right: 0;
    top: 0;
  }

  .navbar.responsive a {
    float: none;
    display: block;
    text-align: center;
  }

  .navbar.responsive .dd {
    float: none; border-radius: 20px;
  }
  .navbar.responsive .sb {
    position: relative;
  }
  .navbar.responsive .dd .dropbtn {
    display: block;
    width: 100%;
    text-align: center;
  }

  .qw {
    float: none;
  }
}
```

Figure 54: CSS formatting

For the second java function, I implemented the function shown in figure 55. This function is implemented in the contact page as it is used to validate the phone number entered by customers for enquiries purposes. This function is connected to the submit button on the contact page shown in figure 56 by using the onclick command. So, when the customers click on the “Submit” button, this function will be executed, and it will start by matching the regularExpression I entered in the javascript with the phone number input. If it doesn’t match any of the expressions, it will execute the else statement by popping the alert box containing the message “Please enter a valid phone number.” as figure 42 shown, then return with a false.

At the same time, the third java function shown in figure 57, is used to validate the email address entered by customers on the contact page, sign in and sign up page. This function is

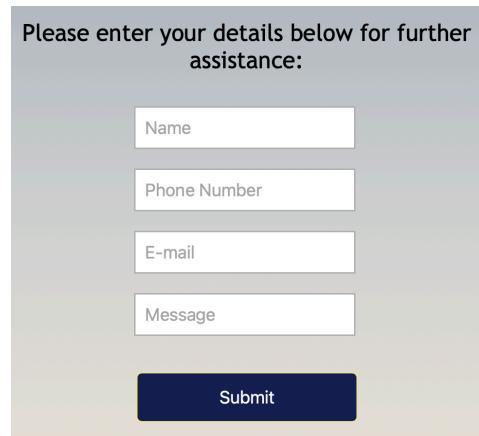
connected to the submit button on the contact page shown in figure 56 and also the sign-up, and sign-in buttons shown in Figures 37 & 38 by using the onclick command. So, when the customers click on the “Submit”, “Sign Up” or “Sign In” button, this function will be executed, and it will start by matching the regularExpression I entered in the javascript which is named cemail in this script with the email address input. If the value doesn’t match any of the expressions, it will execute the else statement by popping the alert box containing the message “Please enter a valid email.” as figure 43 shown, then return with a false. These two functions help the bakery to filter out spam users who like to input random stuff in the enquiry box and also help to remind customers when they input the wrong details while filling in details.

```

function checkPhone(phoneNo)
{
    var regularExpression = /^(\d{3})\)?[- ]?(\d{3})[- ]?(\d{4})$/;
    if(phoneNo.value.match(regularExpression)) {
        return true;
    }
    else {
        alert("Please enter a valid phone number.");
        return false;
    }
}

```

Figure 55: Java function 2



The contact page form consists of four input fields: Name, Phone Number, E-mail, and Message, followed by a Submit button. The header text reads: "Please enter your details below for further assistance:"

Figure 56: Contact Page

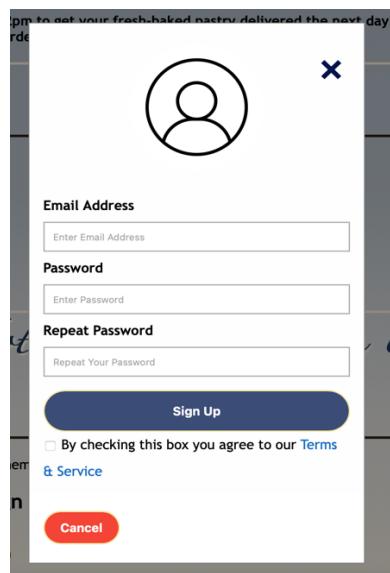


Figure 37: Sign-up box

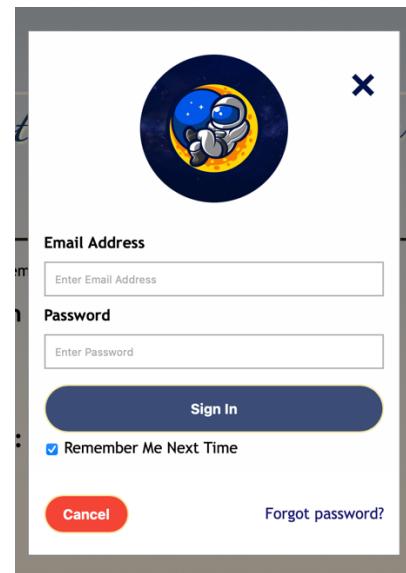


Figure 38: Sign-in box

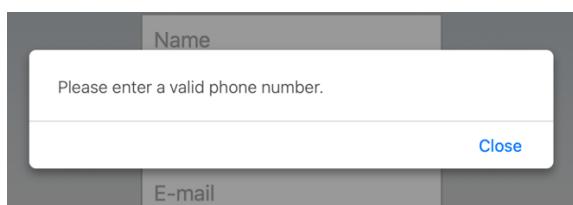


Figure 42: Wrong phone no. format alert box

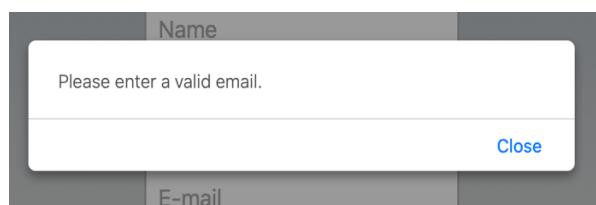


Figure 43: Wrong email format alert box

```

function checkEmail(emailad)
{
    var cemail = /^[a-zA-Z0-9_.!#$%&'*+=?^`{|}~-]+@[a-zA-Z0-9-]+(?:\.[a-zA-Z0-9-]+)*$/;
    if(emailad.value.match(cemail)) {
        return true;
    }
    else {
        alert("Please enter a valid email.");
        return false;
    }
}

```

Figure 57: Java function 3

Lastly, for the fourth java function, I implemented the function shown in figure 58. This function is implemented in the cart page as it is used to close the sign-up page shown in figure 37 when customers click anywhere outside of the pop-out box. This function uses a window.onclick command which will execute the function(cl) that set the display to none leading to the closure of the pop-out box. This function helps customers to close the pop-out box easily when they don't feel like signing up for an account or just accidentally pressed the "Sign Up" button.

```

window.onclick = function(cl) {
    if (cl.target == signupm) {
        | | | signupm.style.display = "none";
    }
}

```

Figure 58: Java function 4

Besides that, I implemented the checked attribute in the HTML file to auto-check the "Remember me next time" statement on the sign-in pop-out page as figure 38 shows.

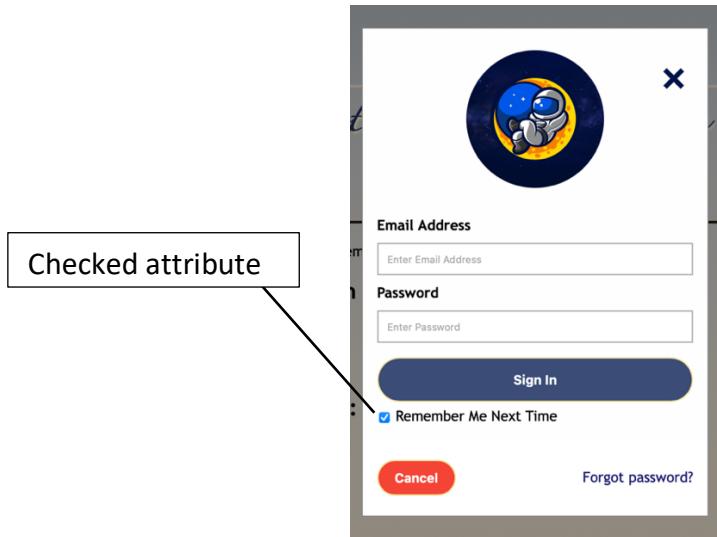


Figure 38: Sign-in box

Last but not least, I used a table tag to create the menu on the pricing table page which shows all the prices for all products as figure 34 shown, so that customers can easily check all the prices. Of course, table cell and table row elements are included too.

Product Pricing Table		
Menu		
Category	Type	Price (RM)
Cakes	Moon Cheesecake	48.00
	Blue Moon Cheesecake	52.00
	Blood Moon Cheesecake	52.00
	Full Moon Cheesecake	68.00
	Green Onde Cake	55.00
	Rochee Cake	50.00
	Roses Are Red Cake	50.00
Croissants	Almond Croissants	
	Chocolate Fillings Croissants	4.50
	Matcha Fillings Croissants	

Figure 34: Product Pricing Table

I also published the website online to test if it is working fine after doing self-research. The link to the website is <https://themoonbakery.000webhostapp.com/>

### Test cases and test results.

Test Case ID	TC_001_01
Test Case Description	Sign in with the correct format of the email address and verify the website response.
Objective	Test if the email validation function is functioning.
Pre-requisites	Able to access the sign-in pop-out page.
Condition	Enter the correct format of an email address.
Test Steps	<ol style="list-style-type: none"> <li>1. Enter a valid email address.</li> <li>2. Enter the password.</li> <li>3. Click the “Sign In” button.</li> </ol>
Input Data	Email address: fishcake123@outlook.com Password: haha1234
Expected Result	The website should show an alert message with the text “Signed in successful!” to show that the user has successfully login.
Actual Result	An alert message with the text “Signed in successful!” is shown.
Author	Lee Kah Hoong
Status	Pass

Test Case ID	TC_001_02
Test Case Description	Sign in with the wrong format of email address and verify the error message.
Objective	Test if the email validation function is functioning.
Pre-requisites	Able to access the sign-in pop-out page.
Condition	Enter the wrong format of an email address.
Test Steps	<ol style="list-style-type: none"> <li>1. Enter an invalid email address.</li> <li>2. Enter the password.</li> <li>3. Click the “Sign In” button.</li> </ol>
Input Data	Email address: fishcake123 Password: haha1234
Expected Result	The website should show an alert message with the text “Opps! Invalid email address!” as a reminder.
Actual Result	An alert message with the text “Opps! Invalid email address!” is shown.
Author	Lee Kah Hoong
Status	Pass

Test Case ID	TC_002_01
Test Case Description	Sign up with the correct format of email address and verify the website's response.
Objective	Test if the email validation function is functioning.
Pre-requisites	Able to access the sign-up pop-out page.
Condition	Enter the correct format of an email address.
Test Steps	<ol style="list-style-type: none"> <li>1. Enter a valid email address.</li> <li>2. Enter the password.</li> <li>3. Enter again the password.</li> <li>4. Check the checkbox.</li> <li>5. Click the “Sign Up” button.</li> </ol>
Input Data	Email address: fishcake123@outlook.com Password: haha1234 Repeat Password: haha1234
Expected Result	The website should show an alert message with the text “Congratulations! You are successfully signed up!” to show that the user has successfully login.
Actual Result	An alert message with the text “Congratulations! You are successfully signed up!” is shown.
Author	Lee Kah Hoong
Status	Pass

Test Case ID	TC_002_02
Test Case Description	Sign up with the wrong format of email address and verify the error message.
Objective	Test if the email validation function is functioning.
Pre-requisites	Able to access the sign-up pop-out page.
Condition	Enter the wrong format of an email address.
Test Steps	<ol style="list-style-type: none"> <li>1. Enter an invalid email address.</li> <li>2. Enter the password.</li> <li>3. Enter again the password.</li> <li>4. Check the checkbox.</li> <li>5. Click the “Sign Up” button.</li> </ol>
Input Data	Email address: fishcake123 Password: haha1234 Repeat Password: haha1234
Expected Result	The website should show an alert message with the text “Opps! Invalid email address!” as a reminder.
Actual Result	An alert message with the text “Opps! Invalid email address!” is shown.
Author	Lee Kah Hoong
Status	Pass

Test Case ID	TC_003_01
Test Case Description	Submit the enquiry form with the correct format of email address and phone number, then verify the website response.
Objective	Test if the email and phone number validation functions are functioning.
Pre-requisites	Able to access the contact us page.
Condition	Enter the correct format of email address and phone number.
Test Steps	<ol style="list-style-type: none"> <li>1. Enter a name.</li> <li>2. Enter a valid phone number.</li> <li>3. Enter a valid email address.</li> <li>4. Enter a message.</li> <li>5. Click the “Submit” button.</li> </ol>
Input Data	Name: Gary Phone number: 0125938273 Email address: fishcake123@outlook.com Message: Testing testing 123
Expected Result	The website should show no alert message and refresh after submitting the data.
Actual Result	No alert message was shown, and the website was refreshed.
Author	Lee Kah Hoong
Status	Pass

Test Case ID	TC_003_02
Test Case Description	Submit the enquiry form with the correct format of email address and the wrong format of the phone number, then verify the website response.
Objective	Test if the email and phone number validation functions are functioning.
Pre-requisites	Able to access the contact us page.
Condition	Enter the correct format of an email address and the wrong format of a phone number.
Test Steps	<ol style="list-style-type: none"> <li>1. Enter a name.</li> <li>2. Enter an invalid phone number.</li> <li>3. Enter a valid email address.</li> <li>4. Enter a message.</li> <li>5. Click the “Submit” button.</li> </ol>
Input Data	Name: Gary Phone number: 1234 Email address: fishcake123@outlook.com Message: Testing testing 123
Expected Result	The website should show an alert message with the text “Please enter a valid phone number.” as a reminder.
Actual Result	An alert message with the text “Please enter a valid phone number.” is shown.
Author	Lee Kah Hoong
Status	Pass

Test Case ID	TC_003_03
Test Case Description	Submit the enquiry form with the wrong format of email address and the correct format of the phone number, then verify the website response.
Objective	Test if the email and phone number validation functions are functioning.
Pre-requisites	Able to access the contact us page.
Condition	Enter the wrong format of email address and the correct format of a phone number.
Test Steps	<ol style="list-style-type: none"> <li>1. Enter a name.</li> <li>2. Enter a valid phone number.</li> <li>3. Enter an invalid email address.</li> <li>4. Enter a message.</li> <li>5. Click the “Submit” button.</li> </ol>
Input Data	Name: Gary Phone number: 0125938273 Email address: fishcake123 Message: Testing testing 123
Expected Result	The website should show an alert message with the text “Please enter a valid email.” as a reminder.
Actual Result	An alert message with the text “Please enter a valid email.” is shown.
Author	Lee Kah Hoong
Status	Pass

Test Case ID	TC_003_04
Test Case Description	Submit an enquiry form with the wrong format of email address and phone number, then verify the error messages.
Objective	Test if the email and phone number validation functions are functioning.
Pre-requisites	Able to access the contact us page.
Condition	Enter the wrong format of email address and phone number.
Test Steps	<ol style="list-style-type: none"> <li>1. Enter a name.</li> <li>2. Enter an invalid phone number.</li> <li>3. Enter an invalid email address.</li> <li>4. Enter a message.</li> <li>5. Click the “Submit” button.</li> </ol>
Input Data	Name: Gary Phone number: 1234 Email address: fishcake123 Message: Testing testing 123
Expected Result	The website should show two separate alert messages with the text “Please enter a valid phone number.” and “Please enter a valid email.” accordingly.
Actual Result	Another alert message with the text “Please enter a valid email.” is shown after closing the first alert message with the text “Please enter a valid phone number.”.
Author	Lee Kah Hoong
Status	Pass